



FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

BB910 ST

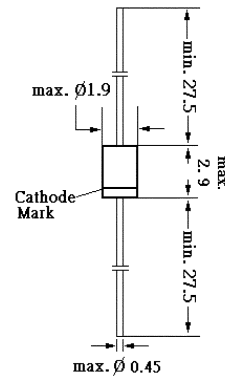
VHF VARIABLE CAPACITANCE DIODE

FEATURES

- Excellent linearity
- Matched to 2.5%
- C28: 2.5; ratio: 16
- Low series resistance.

APPLICATIONS

- Electronic tuning in VHF television tuners, band B up to 460 MHz
- VCO.

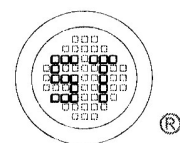


Glass case JEDEC DO-34

Dimensions in mm

Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Continuous reverse voltage	V_R	30	V
Continuous forward current	I_F	20	mA
Storage temperature	T_{stg}	-55...+150	°C
Operating junction temperature	T_j	-55 ... +100	°C



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Dated : 02/01/2005



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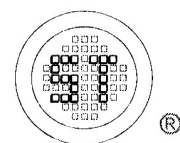
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Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse current	I_R	-	-	10 200	nA	$V_R = 28V$ $V_R = 28V, T_a = 85^\circ C$
Diode capacitance	C_d	38 2.3	-	- 2.7	pF	$V_R = 0.5V, f = 1MHz$ $V_R = 28V, f = 1MHz$
Capacitance ratio	$\frac{C_{d(0.5V)}}{C_{d(28V)}}$	14	-	-	-	f = 1MHz
Capacitance matching	$\Delta C_d / C_d$	-	-	2.5	%	$V_R = 0.5V$ to 28V
Series resistance	r_s	-	-	1	Ω	f = 100MHz, note 1

1) V_R is the value at which $C_d=40pF$



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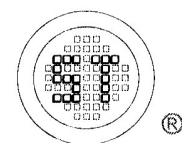
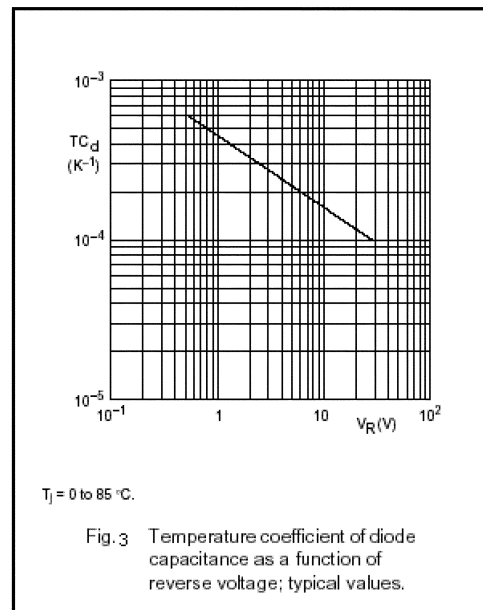
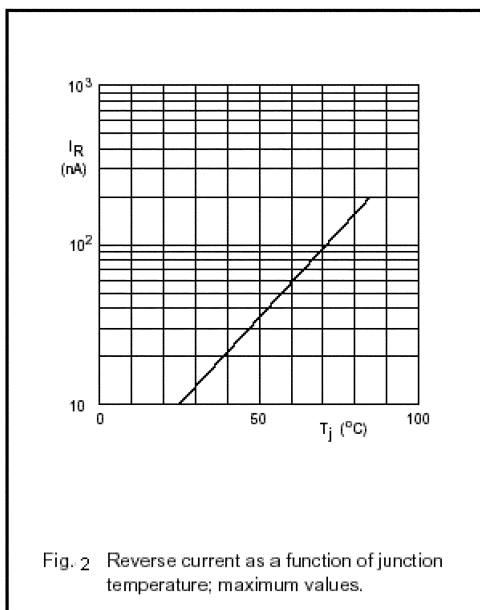
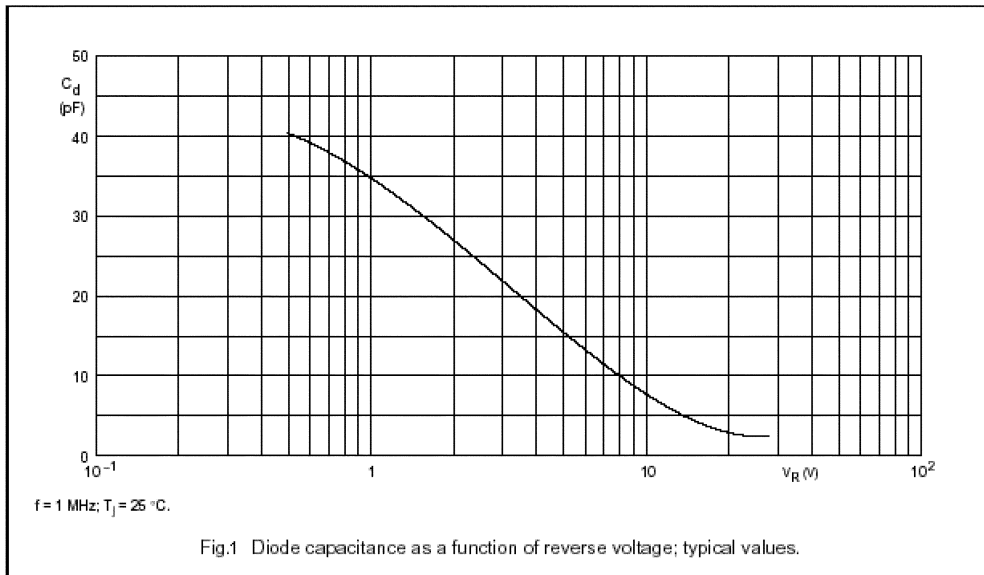
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